PATENT COOPERATION T' ATY

From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE see form PCT/ISA/220 INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) Applicant's or agent's file reference FOR FURTHER ACTION see form PCT/ISA/220 See paragraph 2 below International filing date (day/month/year) Priority date (day/month/year) International application No. 14.08.2003 13.08.2004 PCT/US2004/026504 International Patent Classification (IPC) or both national classification and IPC C07D495/04, A61K31/381, A61P31/14 **Applicant WYETH** This opinion contains indications relating to the following items: 1. Basis of the opinion Box No. I Box No. II **Priority** Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III ☐ Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited □ Box No. VII Certain defects in the international application □ Box No. VIII Certain observations on the international application **FURTHER ACTION** 2. If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. **ATTORNEY** For further details, see notes to Form PCT/ISA/220. 3. DUF DATE DOCKETED Name and mailing address of the ISA: **Authorized Officer**



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2004/026504

	Box N	o. I Basis of the opinion
1.	With re	egard to the language , this opinion has been established on the basis of the international application in guage in which it was filed, unless otherwise indicated under this item.
	la	is opinion has been established on the basis of a translation from the original language into the following aguage , which is the language of a translation furnished for the purposes of international search and response to the purposes of international search and response to the purpose of the
2.	. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:	
a. type of material:		of material:
		a sequence listing
		table(s) related to the sequence listing
b. format of material:		nat of material:
		in written format
		in computer readable form
c. time of filing/furnishing:		of filing/furnishing:
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.	h: Co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional opies is identical to that in the application as filed or does not go beyond the application as filed, as opropriate, were furnished.

4. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	The obv	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:				
		the entire international applicat	on,			
	\boxtimes	claims Nos. 66-129 with respect to industrial applicability				
because:						
the said international application, or the said claims Nos. 66-129 with respect to industrial applicabili relate to the following subject matter which does not require an international preliminary examination (specify):						
see separate sheet						
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):					
		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opin could be formed.				
		no international search report has been established for the whole application or for said claims Nos.				
the nucleotide and/or amino acid sequence listing does not comply with the standard provided C of the Administrative Instructions in that:			I sequence listing does not comply with the standard provided for in Anons in that:	nex		
		the written form	☐ has not been furnished			
			☐ does not comply with the standard			
		the computer readable form	☐ has not been furnished			
			☐ does not comply with the standard			
		the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.				
	П	See separate sheet for further	letails			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

5-11,13-25,27-32,35,37,38,44-54,57-60,63,65-129

Claims No:

1-4,12,26,33,34,36, 39-43,55,56,61,62,64

Inventive step (IS)

Yes: Claims

5-11,13-25,27-32,35,37,38,44-54,57-60,63,65-129

Claims No:

1-4,12,26,33,34,36,39-43,55,56,61,62,64

Industrial applicability (IA)

No:

Yes: Claims

Claims

1-65

2. Citations and explanations

see separate sheet

Certain documents cited Box No. VI

1. Certain published documents (Rules 43bis.1 and 70.10) and /or

2. Non-written disclosures (Rules 43bis.1 and 70.9)

see form 210

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/US2004/026504

1AP20 Reg'd PUT/PTO 09 FEB 2006

Re Item III.

Claims 66-129 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(I) PCT).

Re Item V.

The documents mentioned in the search report are numbered according to their order of appearance in the search report: D1-D4.

D1 discloses compounds and pharmaceutical compositions corresponding to the formula (I) of claim 1, having antiinflammatory, analgesic, antibacterial and antifungal activity (e.g. col. 21 lines 51-56). The subject matter of claims 1-4,12,26,33,34,36,39-43,61,62,64 lack novelty in view of this disclosure.

No meaningful statement as to the novelty of the subject matter of claim 10 can be given, since the subject matter of claim 10 is unclear in connection with claims 12, 24 and 26 dependent on said claim 10: compounds with R₂=methyl appear to be outside the scope of claim 10 but are specifically claimed in claims 12 and 26. Thus claims 10, 12, 24 and 26 are unclear with respect to the essential technical features of the compounds or compositions defined therein (Art. 6 PCT).

D2 discloses compounds 8a-8e which are novelty-destroying for the subject matter of claims 39-43, 55, 56, 61, 62, and 64.

The use of the compounds of formula (I) for treating hepatitis infection is neither disclosed nor derivable from the cited prior art.

For the assessment of the present claims 66-129 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a

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International application No.

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known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.